# **INDEX TO VOLUME 46**

## A

Abbott, Clinton G., roof-nesting killdeers, 3; a creeper foraging on palm trees, 34
Acanthis linaria linaria, 84
Accipiter cooperii, 71, 238
gentilis atricapillus, 71, 238
striatus perobscurus, 238
striatus velox, 71, 238
velox, 88
Actitis macularia, 10, 73, 239
Aechmophorus occidentalis, 68
Aegolius acadicus, 75

saxatalis sclateri, 76 saxatalis saxatalis, 76 Agelaius phoeniceus, 46-58 phoeniceus fortis, 46, 83 phoeniceus nevadensis, 83 phoeniceus phoeniceus, 46 phoeniceus utahensis, 83

Aëronautes saxatalis, 34, 239

tricolor, 46, 57
Aimophila acuminata guerrerensis, 14
humeralis humeralis, 14
ruficeps fusca, 14
rufescens subvespera, 14

Aix sponsa, 70, 238
Ajaia ajaja, 19, 69
Albatross, Royal, 96, 97, 99, 101
Wandering, 97

Alcorn, J. R., botulism in the Carson Sink, Nevada, 300

Alexander, Gordon, unusual records from Boulder County, Colorado, 36; bill distortion in mountain chickatlee due to bone tumor, 246

Amazilia violiceps violiceps, 11 Amazona albifrons albifrons, 10 Ammodramus savannarum bimaculatus, 85, 297 Ammospiza caudacuta, 204

Amphispiza bilineata deserticola, 85 belli nevadensis, 85 Anas acuta tzitzihoa, 70

crecca carolinensis, 70 cyanoptera cyanoptera, 70 discors, 70 platyrhynchos, 20, 238, 300 platyrhynchos platyrhynchos, 69

rubripes, 69
Ani, Groove-billed, 11
Anser albifrons, 19
albifrons albifrons, 69, 204
condoni, 27

Anthoscenus constantii led cadiae, 11 Anthus rubescens alticola, \$1, 89 rubescens pacificus, \$8 rubescens rubescens, \$1 spinoletta pacificus, 241 Aphelocoma californica, 204 californica woodhousei, 98 coerulescens remota, 13 Aquila chrysaëtos, 20, 30, 35, 88, 236 chrysaëtos canadensis, 71 Aratinga canicularis eburnirostrum, 10 Archilochus alexandri, 21, 76 Ardea herodias, 35, 207, 238 herodias treganzai, 68, 200 Arvey, M. Dale, eastern blue jay in Idaho, 205 Asio flammeus, 21, 88 flammeus flammeus, 75, 239 otus wilsonianus, 75 Aspatha gularis, 230 Asturina nitida plagiata, 10 Asyndesmus lewis, 76, 239 Auklet, Paroquet, 244 Aulacorhynchus caeruleogularis, 225 Auriparus flaviceps acaciarum, 79 Avocet, 21, 74, 127, 131, 300

## R

Balanosphyra formicivora, 221 formicivora formicivora, 212

Baldpate, 19, 70, 300

Baldwin, Gordon C., uncommon birds of the Boulder Dam area, Nevada, 35; unusual records of birds from the Boulder Dam area, Nevada, 206

Barbet, Prong-billed, 221 Bartramia longicauda, 73 Basileuterus rufifrons dugesi, 13

Beck, R. H., a record of the old-squaw in the San Joaquin Valley, 129

Behle, William H., check-list of the birds of Utah, 67; a secondary function of the gular pouch of the white pelican, 128; the pelican colony at Gunnison Island, Great Salt Lake, in 1943, 198; notes on leucostictes wintering in Salt Lake Valley, Utah, 207

Bittern, American, 69 Mexican Tiger, 9 Western Least, 69

Blackbird, Brewer, 83, 242 Red-winged, 46-58 Yellow-headed, 22, 57, 83

Bluebird, Chestnut-backed, 80 Mountain, 81, 241

Western, 80, 89, 205
Bobolink, 83
Bob-white, 72, 154, 159
Bombycilla cedrorum, 81, 205, 241
garrula pallidiceps, 81
Ropassa umbellus, 230

Bonasa umbellus, 239 umbellus incanus, 72 Botaurus lentiginosus, 69

lentiginosus peeti, 69 Brandt, Herbert, review of his "Alaska Bird Trails," 247 Brant. Black, 69, 207 Branta bernicla nigricans, 69 canadensis, 27, 29 canadensis canadensis, 69 canadensis hutchinsii, 69 dickevi, 26-29 esmeralda, 29 hypsibata, 27, 29 nigricans, 207 Breagyps clarki, 272-295 Brooks, Allan, a deplumed pileated woodpecker, 124 Bryan, E. H., and Greenway, J. C., Jr., review of their "Contribution to the Ornithology of the Hawaiian Islands," 211 Bubo virginianus, 88, 239 virginianus lagophonus, 75 virginianus occidentalis, 75 virginianus pallescens, 75 Bucephala albeola, 70 clangula americana, 70

Bucephala albeola, 70
clangula americana, 70
islandica, 70
Bufflehead, 62, 70, 207
Bunting, Eastern Snow, 86
Indigo, 57, 84
Lark, 85
Lazuli, 84, 242
Burdick, Austin W., birds of the

Burdick, Austin W., birds of the northern Cascade Mountains, Washington, 238 Bush-tit, 299

Lead-colored, 79
Buteo, 236, 237
albonotatus, 20
borealis, 88
jamaicensis calurus, 71, 238
jamaicensis fuertesi, 71
lagopus s. johannis, 71, 88
lineatus, 71
magnirostris xantusi, 10
regalis, 71, 236
swainsoni, 20, 71, 88
Butorides virescens, 298

virescens anthonyi, 35, 69 virescens maculatus, 9

Canachites franklini, 239

Canvas-back, 70

Cacique, Mexican, 13
Cahalane, Victor H., and Griffith, Richard E., occurrences of the blue goose in New Mexico, 124
Calamospiza melanocorys, 85
Calcarius ornatus, 22
Calocitta formosa formosa, 12
Calypte costae, 21, 76
Camptostoma imberbe, 12

Capella delicata, 74
Cardinal, Colima, 14
Carpodacus cassinii, 84, 242
mexicanus, 84, 209
mexicanus frontalis, 84
mexicanus mexicanus, 14
mexicanus solitudinus, 84
Casmerodias albus egretta, 68
Cassiculus melanicterus, 13
Cassidix mexicanus, 57
mexicanus major, 245
mexicanus mexicanus, 245
mexicanus obscurus, 13
Catbird, 80, 241
Catoptrophorus semipalmatus

Catoptrophorus semipalmatus inornatus, 73
Cater, Milam B., roosting habits of martins at
Tucson, Arizona, 15
Cathartes aura, 272-295

Cathartes aura, 272-295
aura teter, 70
Cathartidarum, 294
Cathartornis gracilis, 294, 295
Catherpes mexicanus conspersus, 80
Centrocercus urophasianus, 72
Centurus chrysogenys flavinuchus, 11
Ceophloeus lineatus, 220
lineatus scapularis, 12
pileatus, 124, 239
Certhia familiaris, 34
familiaris montana, 79

familiaris zelotes, 240 Chachalaca, Gray-headed, 10 Chaetura pelagica, 33 vauxi, 33, 239 Chamaepetes unicolor, 219 Chamaea fasciata, 299 fasciata intermedia, 299 fasciata rufula, 299 Charadrius alexandrinus nivosus.

Charadrius alexandrinus nivosus, 73
collaris, 10
hiaticula semipalmatus, 73
nivosus, 20
semipalmatus, 243
vociferus vociferus, 73
Charitonetta albeola, 207
Chat, 33, 241
Long-tailed, 83, 212
Chaulelasmus streperus, 70, 300
Chen caerulescens, 69, 124
hyperborea, 300
hyperborea, 69

Chickadee, Cascade Brown-headed, 240
Grinnell Mountain, 240
Inyo, 79
Mountain, 79, 246, 299
Nevada Black-capped, 79
Chicken, Prairie, 183
Chlidonias nigra surinamensis, 74
Chloroceryle americana septentrionalis, 11
Chondestes grammacus strigatus, 85
Chordeiles acutipennis micromeris, 11

acutipennis texensis, 76

minor henryi, 76 minor hesperis, 76 minor howelli, 76 minor minor, 239 minor sennetti, 76 Chrysotrogon caligatus, 209 Ciccaba virgata amplorotata, 11 Ciconia maltha, 26, 27 Cinclus mexicanus, 297 mexicanus unicolor, 79, 240 Circus cvaneus hudsonius, 71, 239 hudsonius, 20, 88 Cistothorus stellaris, 70 palustris plesius, 79 Clangula hyemalis, 70, 129 Clay, C. I., avocet on Humboldt Bay, California. Coccyzus americanus occidentalis, 75, 89 erythrophthalmus, 36 Cogswell, Howard L., Vaux swifts in late summer in South Pasadena, California, 33; a new record of the sharp-tailed sparrow in California, 204 Cohen, Donald Atherton, biography of, 37 Colaptes auratus, 76 cafer, 245 cafer cafer, 239, 245 cafer canescens, 76 cafer collaris, 76, 245, 246 cafer rufipileus, 245 cafer sedentarius, 245 Colinus virginianus, 72 Collias, N. E., review of his "Aggressive Behavior Among Vertebrate Animals," 91 Columba fasciata, 207, 239 fasciata fasciata, 10, 75 flavirostris flavirostris, 10 Colymbus auritus, 68 dominicus brachypterus, 9

backed goldfinch, 299 Condor, California, 30, 71, 272-295 South American, 272-295 Cooper Ornithological Club, minutes of meetings, 40, 91, 131, 212, 248, 301; officers

Comby, J. H., sleeping habits of the green-

and members, 249 Coot, American, 73, 207, 300 Coragyps atratus, 272-295 occidentalis, 272-295 Cormorant, Double-crested, 27, 68

nigricollis californicus, 68

Pelagic, 62 Corthylio calendula, 241 Corvus brachyrhynchos, 240 brachyrhynchos hesperis, 78 corax, 78, 108, 240, 300

corax sinuatus, 78

Cottam, Clarence, gulls as vegetarians, 127 Coturnicops noveboracensis noveboracensis, 72 Cowbird, 212, 298

Dwarf, 83, 244 Nevada, 83 Crane, Little Brown, 35 Sandhill, 72 Whooping, 30 Creeper, 34, 299 Rocky Mountain, 79 Sierra, 240 Crocethia alba, 9, 10, 74 Crossbill, Bendire, 84, 242 Bent. 84 Grinnell, 84 Mexican, 84 Crotophaga sulcirostris sulcirostris, 11 Crow, 240 Western, 78 Cryptoglaux acadica acadica, 208 Cuckoo, Black-billed, 36 California, 75, 89, 90 Mexican Squirrel, 11 Cuiejo, Nelson, 11

Culbertson, A. E., and Shaw, William T., a flock of cedar waxwings meets tragedy, 205 Cushing, John E., Jr., the relation of non-heritable food habits to evolution, 265 Curlew, Hudsonian, 212

Long-billed, 21, 73 Northern, 73 Cyanocephalus cyanocephalus, 78 Cvanocitta cristata, 205 stelleri annectens, 78, 240 stelleri cottami, 78 stelleri diademata, 78 stelleri percontatrix, 78 Cyclorrhynchus psittacula, 244 Cygnus, 26 buccinator, 69 columbianus, 28, 29, 69

olor, 108 Cynanthus doubledayi, 11

# D

Dafila acuta, 300 Dalquest, Walter W., a record of the Sabine gull at Berkeley, California, 34; aerial insect feeding by the California gull, 88 Davis, William B., notes on summer birds of Guerrero, 9 Dendragapus fuliginosus, 112-120 fuliginosus fuliginosus, 239 obscurus, 112-120 obscurus obscurus, 71

Dendroica aestiva, 245 aestiva aestiva, 82 aestiva brewsteri, 82 aestiva morcomi, 82, 241 aestiva sonorana, 82 auduboni auduboni, 82, 241 auduboni memorabilis, 82 coronata, 82

fusca, 82 graciae graciae, 82 nigrescens, 82 nigrescens halsei, 82 occidentalis, 23, 24 palmarum, 22 townsendi, 23, 24, 82, 241 Dichromanassa rufescens, 201 Dicrorhynchus frantzii, 221

Dill, William A., observations of California pine grosbeak at southern limit of range, 90

Diomedea epomophora sandfordi, 96 exulans, 97

Dipper, 79, 240
Dixon, Joseph S., California jay picks ticks from mule deer, 204; a great gray owl observed in Yosemite National Park, 244

Dolichonyx oryzivorus, 83 Dove, Inca, 10, 21 Mourning, 239, 243, 246 Ring-necked, 243 Western Mourning, 75 White-fronted, 10

White-winged, 207, 243, 248 Dowitcher, 21 Inland, 73 Long-billed, 73, 300 Dryobates pubescens, 239

pubescens leucurus, 77 scalaris yumanensis, 77 villosus, 221 villosus leucothorectis, 77 villosus monticola, 77

villosus orius, 239 Duck, Black, 69 Greater Scaup, 70 Harlequin, 62, 238 Lesser Scaup, 35, 70 Old Squaw, 62 Ring-necked, 70 Ruddy, 70, 300

Wood, 70, 238 Dumetella carolinensis, 80, 241

## R

Eagle, Bald, 62, 124, 206, 207, 266 Golden, 20, 35, 71, 266 Gray Sea, 266 Southern Bald, 71 Egret, American, 68

Egret, American, 68
Brewster, 69
Reddish, 201, 202
Snowy, 35, 69
Egretta thula, 35
Eider, Pacific, 62
Elaenia chiriquensis, 219
Elaenia, Lawrence, 219
Empidonax difficilis difficilis, 77

griseus, 77 hammondii, 77, 240 traillii adastus, 77 traillii brewsteri, 77 wrightii, 77 Ereunetes mauri, 21, 74, 90, 300 pusillus, 90 Erismatura jamaicensis, 19, 300 Erithacus rubecula, 108 Erolia alpina sakhalina, 74 bairdii, 74

minutilla, 74

Evenden, Fred G., Jr., and Evenden, Joan R., a
house finch census at Mountain Home,
Idaho, 209

Eumomota superciliaris, 230
Euphagus cyanocephalus, 242
cyanocephalus cyanocephalus, 83
Ewan, J., hooded oriole nesting in banana plant
at Beverly Hills, California, 205

## F

Falco columbarius, 239
columbarius bendirei, 71
columbarius richardsoni, 71
columbarius suckleyi, 206
mexicanus, 71, 200
peregrinus, 20
peregrinus anatum, 71
sparverius, 88
sparverius sparverius, 71, 239
Falcon, Prairie, 71, 200

Falcon, Prairie, 71, 200
Finch, African Orange Weaver, 57
Black Rosy, 84, 208
Cassin Purple, 242
Gray-crowned Rosy, 84, 208, 242
Hepburn Rosy, 84, 208
House, 84, 209
Mexican House, 14
Pribilof Rosy, 123
Purple, 84
Rosy, 62, 207

Fisher, Harvey I., brown pelicans and breaking waves, 124; the skulls of the cathartid vultures, 272

Flicker, Northwestern, 239 Red-shafted, 76, 245 Santa Cruz Island, 245 Yellow-shafted, 76

Florida caerulea, 35
Flycatcher, Ash-throated, 77, 212, 240
Beardless, 12
Derby, 12
Giraud, 12
Gray, 77
Hammond, 77, 240
Little, 77
Olive-sided, 77, 240
Querulous, 12
Sulphur-bellied, 12, 225
Vermilion, 77, 201-203

Western, 77, 91 Wright, 77, 302

Fox, Wade, black and white warbler at Berkeley, California, 243

Fulica americana, 207, 300

americana americana, 73

Fulmar, Pacific, 244

Fulmarus glacialis rodgersii, 244

Gadwall, 70, 300

Galbreath, Edwin C., Grus canadensis from the Pleistocene of Illinois, 35

Galindo, Pedro, and Herman, Carlton M., notes on a water ouzel, 297

Gallinule, Purple, 73

Gallirallus australis, 93 Gavia arctica pacifica, 68

immer elasson, 68

Geothlypis semiflava, 219

trichas, 298 trichas occidentalis, 83

trichas scirpicola, 83 Geococcyx californianus, 75, 204 velox, 11

Glaucidium gnoma pinicola, 75

Gnatcatcher, 299

Black-headed, 13 Western, 81

Godwit, Marbled, 73, 127, 300

Golden-eye, 124

American, 62, 70, 126, 127

Barrow, 70

Goldfinch, 242 Arkansas, 84

Green-backed, 84, 299

Pale, 84

Goose, Blue, 69, 124, 125

Canada, 125 Common Canada, 69

Dickey, 27

Emperor, 62, 90

Hutchins, 69

Lesser Snow, 69

Snow, 300

White-fronted, 19, 69, 204

Goshawk, 238, 268

Eastern, 71

Mexican, 10, 266

Grackle, Boat-tailed, 57, 245

Colima Boat-tailed, 13

Great-tailed, 245

Grebe, Eared, 68

Horned, 68

Mexican, 9 Pied-billed, 68

Western, 68

Greenway, J. C., Jr., and Bryan, E. H., Jr., review of their "Contribution to the Ornithology of the Hawaiian Islands," 211

Griffith, Richard E., and Cahalane, Victor H., occurrences of the blue goose in New Mexico, 124

Grinnell, Hilda W., the life and writings of James Moffitt, 60; the hooded oriole's choice of nesting sites in the settled portions of southern California, 298

Grosbeak, Big-billed Blue, 14

Black-headed, 212

California Pine, 90

Pacific Black-headed, 14

Rocky Mountain Black-headed, 83

Rocky Mountain Pine, 84, 242

Western Blue, 84, 205 Western Evening, 84, 242

Grouse, Blue, 112-120

Columbian Sharp-tailed, 72

Dusky, 71, 112-120

Franklin, 239 Hoary Ruffed, 72

Ruffed, 239

Sooty, 112-120, 239

Grus americana, 26, 30

canadensis, 31

canadensis canadensis, 35

canadensis tabida, 72

conferta, 31

nannodes, 31

nobilis, 31

proavus, 31

Guiraca caerulea eurhyncha, 14 caerulea interfusa, 84, 205

Gull, Bonaparte, 21, 74, 128

California, 74, 88, 89, 127, 200

Franklin, 74, 127, 128

Glaucous, 74, 128, 130

Herring, 74, 127, 128

Ring-billed, 74, 128

Sabine, 34, 74

Short-billed, 128

Western, 301

Gymnogyps amplus, 272-295

californianus, 71, 272-295

Gymnorhinus cyanocephalus cassinii, 79

Haliaeetus leucocephalus, 206 leucocephalus leucocephalus, 71

leucocephalus washingtoniensis, 71

Hanna, Wilson C., the gray vireo as a victim of the cowbird, 244

Hawk, American Rough-legged, 71 -

American Sparrow, 239

Black Pigeon, 206

Colima Gray-tailed, 10 Cooper, 71, 238

Duck, 20, 71, 132, 267-269

Eastern Sparrow, 71

Ferruginous Rough-legged, 71

Harris, 129

Marsh, 20, 71, 239, 266 Pigeon, 239 Red-shouldered, 71 Red-tailed, 71, 266 Rough-legged, 236 Sharp-shinned, 71, 127, 238 Sparrow, 266 Swainson, 20, 71 Western Pigeon, 71 Western Red-tailed, 71, 238 Zone-tailed, 20

Hayward, C. Lynn, additional records of uncommon birds in Utah, 204 Herman, Carlton M., and Galindo, Pedro, notes

on a water ouzel, 297

Heron, Anthony Green, 35, 69 Black-crowned Night, 69 Blue, 35 Great Blue, 207, 238

Green, 298 Little Blue, 35 Louisiana, 124, 201, 202 Spotted Green, 9

Treganza Great Blue, 68, 200 Hedymeles melanocephalus maculatus, 14 melanocephalus melanocephalus, 83

Hen, Sage, 72 Heleodytes brunneicapillus, 298

brunneicapillus couesi, 79 jocosus jocosus, 13

Hesperiphona vespertina brooksi, 36, 84, 242 Heterocnus cabanisi, 9

Himantopus mexicanus, 21 himantopus mexicanus, 74 Hirundo erythrogaster, 240 rustica erythrogaster, 240 Histrionicus histrionicus, 238

Howard, Hildegarde, a miocene hawk from California, 236

Huey, Laurence M., notes on four sporadic visitants in California, 201; nesting habits of the hooded oriole, 297

Hummingbird, Black-chinned, 21, 76

Broad-tailed, 76 Calliope, 76, 239 Costa, 21, 76 Doubleday, 11 Rufous, 21, 76, 239 Violet-crowned, 11

Hydranassa tricolor ruficollis, 124, 201, 202 Hydroprogne tschegrava tschegrava, 74 Hylocichla fuscescens salicicola, 80, 241

guttata guttata, 80, 205 guttata nanus, 80 guttata oromela, 80 guttata polionota, 80 guttata slevini, 241 ustulata almae, 80, 241 ustulata swainsoni, 80 Hypomorphnus, 237

guttata auduboni, 80

Ibis, White-faced Glossy, 19, 69 Wood, 19, 69 Icteria virens, 33, 241 virens auricollis, 83 Icterus bullockii, 242 bullockii bullockii, 83 cucullatus, 205, 297, 298 cucullatus nelsoni, 83 graduacauda dickeyae, 13 gularis gularis, 13 parisorum, 83 pustulatus pustulatus, 13

Iridoprocne bicolor, 21, 78 Ixobrychus exilis hesperis, 69 Ixoreus naevius naevius, 241

Jacana spinosa gymnostoma, 10 Jacana, Mexican, 10 Jaeger, Long-tailed, 74 Jay, Black-headed Steller, 78, 240 Bullock Magpie, 12 California, 204, 244 Chilpancingo, 13 Eastern Blue, 205 Gray, 240 Long-crested Steller, 78 Pallid Steller, 78 Piñon, 78

Rocky Mountain, 78

Woodhouse, 78 Jewett, Stanley G., hybridization of hermit and Townsend warblers, 23; the black pigeon hawk in New Mexico, 206

Junco caniceps caniceps, 85 hyemalis, 51 hyemalis cismontanus, 85 hyemalis hyemalis, 85 oreganus, 56, 160 oreganus mearnsi, 85 oreganus montanus, 85 oreganus shufeldti, 85, 242

Junco, Cassiar, 85 Gray-headed, 85 Montana, 85 Oregon, 56, 160 Pink-sided, 85 Shufeldt, 85, 242 Slate-colored, 51, 85, 132

Kelly, Junea W., semipalmated plover wintering on San Francisco Bay, 243; grasshopper sparrow nesting at Oakland, California, 297

Kendeigh, S. C., review of his "Measurement of Bird Populations," 210

Kent, Wyatt A., rare birds seen in southern California, 129

Killdeer, 3-5, 73, 239, 300, 301 Kingbird, Arkansas, 77, 240 Cassin, 77 Eastern, 77, 240 Guerreran Cassin, 12

Western, 206 Western Tropical, 12

Kingfisher, Belted, 238 Texan Green, 11

Western Belted, 76 Kinglet, Ruby-crowned, 241

Western Golden-crowned, 81, 241 Western Ruby-crowned, 81

Kinsey, Eric Campbell, additional records of the chat in Marin County, California, 33 Kite, Everglade, 266, 267, 269

Knot, 212

L

Lack, David, early references to territory in bird life, 108

Lagopus mutus, 183

mutus chamberlaini, 122 mutus evermanni, 122 mutus gabrielsoni, 121, 122 mutus nelsoni, 122 mutus ridgwayi, 122 mutus sanfordi, 121, 122 mutus townsendi, 121, 122 leucurus, 239 leucurus altipetens, 72

rupestris atkhensis, 121, 122 Lamb, Chester C., grackle kills warbler, 245

Lanius excubitor invictus, 81 ludovicianus excubitorides, 81 ludovicianus gambeli, 81 ludovicianus mexicanus, 13 ludovicianus nevadensis, 81

Lark, Desert Horned, 78 Dusky Horned, 78 Great Salt Lake Horned, 78 Hoyt Horned, 78 Montezuma Horned, 78 Pallid Horned, 77, 240

Larus argentatus, 127 argentatus smithsonianus, 74 californicus, 74, 88, 127, 200

delawarensis, 74 hyperboreus, 74, 130 philadelphia, 21, 74 pipixcan, 74, 127

Laterallus jamaicensis coturniculus, 72 Leopold, A. Starker, the nature of heritable wild-

ness in turkeys, 133 Leptopogon amaurocephalus pileatus, 6 amaurocephalus plumbeipes, 6 Leptopogon, Brown-capped, 6-8

Leptotila verreauxì angelica, 10 Leucophoyx thula brewsteri, 69

thula thula, 69

Leucosticte atrata, 84, 208 griseonucha, 122, 123 tephrocotis, 123, 242 tephrocotis griseonucha, 122, 123 tephrocotis littoralis, 84, 208

tephrocotis maxima, 123

tephrocotis tephrocotis, 84, 122, 123, 208 tephrocotis umbrinus, 123

Limnodromus griseus, 21 griseus griseus, 73 griseus hendersoni, 73 griseus scolopaceus, 300 scolopaceus, 73

Limosa fedoa, 73, 300 Lobipes lobatus, 74

Longspur, Chestnut-collared, 22

Loon, Lesser, 68 Pacific, 68 Red-throated, 62

Lophodytes cucullatus, 70 Lophortyx californica, 72, 239 gambelii gambelii, 72

Loxia curvirostra bendirei, 84, 242 curvirostra benti, 84 curvirostra grinnelli, 84 curvirostra stricklandi, 84

Luscinia megarhyncha, 108

Magpie, American, 78, 240 Mallard, 20, 62, 69, 238, 300 Mareca americana, 19, 70, 207, 300 Martin, 15-18, 21

Gray-breasted, 12 Purple, 78, 240 Meadowlark, Highland, 13 Western, 83, 207, 242

Megaceryle alcyon, 239 alcyon alcyon, 76 alcyon caurina, 76 Megadyptes antipodes, 99

Melanerpes erythrocephalus caurinus, 76

Meleagris gallopavo, 35, 133-195 gallopavo gallopavo, 133, 134, 151, 153, 175

gallopavo intermedia, 133 gallopavo merriami, 133, 151 gallopavo onusta, 133 gallopavo osceola, 133 gallopavo silvestris, 133-195 Melanitta fusca deglandi, 70

Melanotis caerulescens effuticius, 13 Melopelia asiatica, 207, 243

Melospiza georgiana, 86, 201 lincolnii, 242 lincolnii alticola, 86 lincolnii lincolnii, 86 melodia fallax, 86 melodia juddi, 86 melodia merrilli, 86, 242 melodia montana, 242

Merganser, 207 American, 70, 238 Hooded, 70 Red-breasted, 70

Mergus merganser, 207 merganser americanus, 70, 238

serrator, 70 Miller, Alden H., specimens of the Pacific golden plover from California, 130; second nestings in the wren-tit, 299

Miller, Alden H., and Ray, Milton S., discovery of a new vireo of the genus Neochloe in southwestern Mexico, 41

Miller, Loye, some Pliocene birds from Oregon and Idaho, 25

Mimus polyglottos, 90 polyglottos leucopterus, 80 Miohierax stocki, 236, 237

Mniotilta varia, 243 Mockingbird, 90 Blue, 13

Western, 80 Moffitt, James, the life and writings of, 60

Molothrus ater, 298 ater artemisiae, 83 ater obscurus, 83, 244

Monson, Gale, notes on birds of the Yuma region, 19

Moore, Robert T., nesting of the brown-capped leptopogon in Mexico, 6

Morphnus woodwardi, 30

Motmot, Blue-throated, 230, 231 Turquoise-browed, 230

Murie, Olaus J., two new subspecies of birds from Alaska, 121

Myadestes townsendi, 81, 241 Mycteria americana, 10, 69 Myiarchus cinerascens, 240

cinerascens cinerascens, 77 obscurus occidentalis, 13

tuberculifer querulus, 12 Myiochanes richardsonii, 240

richardsonii richardsonii, 77 Myiodynastes luteiventris, 225 luteiventris luteiventris, 12

Myiozetetes similis texensis, 12

Nannus hiemalis pacificus, 79, 241

Neff, Johnson A., seeds of legumes eaten by birds, 207; a protracted incubation period in the mourning dove, 243

Neochloe brevipennis, 41, 43-45 brevipennis browni, 42-45 brevipennis brevipennis, 42-45

Neochloe, Brown, 42 Neophrontops, 237

Nephoecetes niger borealis, 239 Nettion carolinense, 300

Nice, M. M., review of her "Studies in the Life

History of the Song Sparrow. II," 38

Nighthawk, Eastern, 239

Howell, 76 Pacific, 76 Sennett, 76 Texas, 76

Western, 76 Yucatan, 11 Nightingale, 108-110

Nucifraga columbiana, 79, 240

Numenius americanus, 21 americanus americanus, 73 americanus occidentalis, 73

Nutcracker, Clark, 79, 240 Nuthatch, Black-eared Pigmy, 79 Red-breasted, 79, 240 Rocky Mountain, 79 White-breasted, 240

Nuttallornis borealis, 240 borealis borealis, 77

Nyctea scandiaca, 75 Nycticorax nycticorax hoactli, 69 Nyctidromus albicollis nelsoni, 11

Nyroca affinis, 35, 70 americana, 19, 20, 70, 300 collaris, 70 marila nearctica, 70 valisineria, 70

## 0

Oberholseria chlorura, 85 chlorura zapolia, 85

Oceanodroma homochroa, 125, 126 leucorhoa leucorhoa, 105, 125, 126 Old-squaw, 70, 129

Oporornis tolmei, 82, 241 Oreoscoptes montanus, 80 Oriole, Arizona Hooded, 83 Black-headed, 13

> Bullock, 83, 206, 242 Hooded, 205, 212, 296, 297, 301

Lichtenstein, 13 Orchard, 57 Scarlet-headed, 13 Scott, 83

Orr, Robert T., a coastal record of the emperor goose in California, 90; the nesting season of the ashy petrel, 125; the saw-whet owl in San Francisco, 208

Ortalis vetula poliocephala, 10

Osprey, 71, 267 Otocoris alpestris arcticola, 77, 240

alpestris hoyti, 78 alpestris leucolaema, 78 alpestris merrilli, 78 alpestris occidentalis, 78 alpestris utahensis, 78

Otus asio inyoensis, 75 asio cineraceus, 75 asio maxwelliae, 75

asio mychophilus, 75 flammeolus flammeolus, 75 Oven-bird, Gray, 208, 209 Owl, Barn, 36, 75 Burrowing, 266 Flammulated Screech, 75 Great Gray, 244 Horned, 239, 266 Inyo Screech, 75 Kelso Wood, 11 Long-eared, 75 Mexican Screech, 75 Mexican Spotted, 75 Montana Horned, 75 Northwestern Horned, 75 Pigmy, 302 Rocky Mountain Pigmy, 75 Saw-whet, 75, 132, 208 Short-eared, 21, 75, 239 Snowy, 75 Western Burrowing, 75 Western Horned, 75 Oxyechus vociferus, 3, 239, 300 Oxyura jamaicensis rubida, 70

Pachyptila forsteri, 93 turtur, 99, 101 vittata, 93 Palaeogyps prodromus, 294, 295 Paleoborus, 237 Paleoplancus sternbergi, 236 Pandion haliaëtus carolinensis, 71 Parabuteo unicinctus, 129 Paraquet, Salmon-fronted, 10 Parker, Margueritte, American redstart in southern California, 298 Parrot, White-fronted, 10 Partridge, Europeon, 72 Hungarian, 183 Parus atricapillus nevadensis, 79 gambeli gambeli, 79 gambeli inyoensis, 79 gambeli grinnelli, 240 hudsonicus cascadensis, 240 inornatus ridgwayi, 79 Passer domesticus, 56, 242 domesticus domesticus, 83 Passerculus sandwichensis alaudinus, 85, 242

sandwichensis nevadensis, 85 Passerella iliaca, 242 iliaca schistacea, 86 Passerherbulus caudacutus, 85 Passerina amoena, 84, 242 cyanea, 57, 84 Pedioecetes phasianellus columbianus, 72

sandwichensis anthinus, 242

Pelagodroma marina maoriana, 101 Pelecanus erythrorhynchos, 19, 26, 68, 128, 198-200, 207, 300

halieus, 27

occidentalis, 124 occidentalis californicus, 19, 68 Peleconoides urinatrix, 101 Pelican, Brown, 124

California Brown, 19, 68 White, 19, 26, 68, 128, 198-200, 207, 300

Pelidna alpina, 21 Penelope cristata, 219 Penguin, Yellow-eyed, 99 Penthestes gambeli, 246

Perdix perdix, 183 perdix perdix, 72

Perisoreus canadensis bicolor, 240 canadensis capitalis, 78 canadensis griseus, 240

Petrel, Leach, 105 Ashy, 125, 126

Petrochelidon albifrons, 34, 240 albifrons albifrons, 78 albifrons aprophata, 78

albifrons hypopolia, 78 Pewee, Western Wood, 77, 240

Phainopepla, 91 nitens lepida, 81 Northern, 81

Phalacrocorax albociliatus, 27 auritus, 26, 27 auritus auritus, 68 idahensis, 27

Phalaenoptilus nuttallii nuttallii, 76

Phalarope, Northern, 74 Red, 74

Wilson, 74 Phalaropus fulicarius, 74 Pharomachrus mocinno, 215, 234

mocinno costaricensis, 215 mocinno mocinno, 215 Phasianus colchicus torquatus, 72, 239

Phasmagyps patritus, 294, 295 Pheasant, Ring-necked, 72, 239

Philacte canagica, 90 Philomachus pugnax, 57 Philortyx fasciatus, 10 Phoebe, Northern Black, 77 Say, 77, 240 Phoenicurus phoenicurus, 110

Piaya cayana mexicana, 11 Pica pica hudsonia, 78, 240 Picoides tridactylus dorsalis, 77

tridactylus fasciatus, 239 Piculus rubiginosus, 221

Pigeon, Band-tailed, 10, 75, 207, 239 Pink-billed, 10 Pinicola enucleator californica, 90

enucleator montana, 84, 242 Pintail, 62, 70, 300

Pipilo aberti, 85 fuscus, 22

maculatus arcticus, 85 maculatus curtatus, 242 maculatus montanus, 85 Pipit, Eastern, 81 Rocky Mountain, 81 Western, 89, 241 Piranga flava hepatica, 14

ludoviciana, 83, 242 Pisobia melanotos, 21 minutilla, 21, 300

Pitangus sulphuratus derbianus, 12

Pitelka, Frank A., white-throated swift breeding with cliff swallows at Berkeley, California, 34; review of Nice's "Studies in the Life History of the Song Sparrow. II," 38; review of Kendeigh's "Measurement of Bird Populations," 210-211; review of Bryan and Greenway's "Contribution to the Ornithology of the Hawaiian Islands," 211-

Plectrophenax nivalis nivalis, 86 Plegadis guarauna, 19, 69 Plesiocathartes europaeus, 294 Plover, American Golden, 73

Azaras Ringed, 10 Black-bellied, 73 Golden, 73, 130 Pacific Golden, 130 Semipalmated, 73, 212, 243 Snowy, 20, 21 Upland, 73

Western Snowy, 73 Pluvialis dominica, 73 dominica dominica, 73, 130 dominica fulva, 130

Podilymbus podiceps podiceps, 68 Polioptila caerulea amoenissima, 81

nigriceps nigriceps, 13 Pooecetes gramineus affinis, 85, 205 gramineus confinis, 85, 242

Poor-will, Nuttall, 76 Porphyrula martinica, 73

Porzana carolina, 72 jamaicensis, 72

Progne chalybea chalybea, 9, 12 subis, 15, 21, 240 subis subis, 78

Proictinia, 237

Psaltriparus minimus plumbeus, 79 Psilopterus australis, 295

communis, 295 intermedius, 295

Ptarmigan, Amchitka Rock, 121 Rock, 122, 183

Southern White-tailed, 72 White-tailed, 239 Pterodroma cookii, 93

inexpecta, 93 macroptera, 93 Puffinus gavia, 93

Puffinus gavia, 93 griseus, 93-106 pacificus, 94 puffinus puffinus, 96 reinholdi, 93 tenuirostris, 93 Pyrocephalus rubinus, 201 rubinus mexicanus, 77 Pyromelana franciscana, 57

Q

Quail, Barred, 10 Bob-white, 153 California, 72, 154, 239 Gambel, 72

Quaintance, Charles W., California cuckoo collected in eastern Oregon, 68 Ouerquedula cyanoptera, 300

Quetzal, 213-235

Quigley, Ray, Jr., unusual nesting site of the western kingbird, 206; records of early nestings from southern California, 298

R

Rail, Black, 72
Farallon, 72
King, 72
Sora, 72
Virginia, 72
Yellow, 72
Rallus crepitans, 72
elegans elegans, 72
limicola limicola, 72
Raven, 62, 108, 240, 300

American, 78
Ray, Milton S., and Miller, Alden H., discovery
of a new vireo of the genus Neochloe in

southwestern Mexico, 41 Recurvirostra americana, 21, 74, 127, 300

Redhead, 19, 20, 70, 300 Redpoll, Common, 84 Redstart, 110, 242

American, 22, 83, 90, 129, 298

Painted, 83, 132 Red-tail, 124 Red-wing, 46-58

Eastern, 46 Nevada, 83 Thick-billed, 46, 83

Tri-colored, 46, 57 Utah, 83

Regulus calendula cineraceus, 81 regulus olivaceus, 81

satrapa olivaceus, 241 Richdale, L. E., the sooty shearwater in New Zealand, 93

Richmondena cardinalis carnea, 14 Riparia riparia riparia, 78

Road-runner, 75, 204 Lesser, 11 Robin, 108-110

Northwestern, 241 Western, 80, 241

Ross, Aaron, the American redstart in Utah, 129 Ruff, 57

Salpinctes obsoletus, 21 obsoletus obsoletus, 80

Saltator striatipectus, 219

Saltator, Streaked, 219

Sanderling, 10, 74

Sandpiper, Baird, 74 Least, 21, 74, 300

Pectoral, 21 Red-backed, 21, 74

Semipalmated, 74 Spotted, 10, 73, 239

Western, 21, 74, 300

Western Solitary, 73 Sapsucker, Natalie, 77

Red-naped, 77, 239

Sarcoramphus kernensis, 272-295 papa, 272-295 Sayornis nigricans semiatra, 77

saya, 240

saya saya, 77 Scapaneus guatemalensis, 220

guatemalensis nelsoni. 12 Scardafella inca, 10, 21 Scharff, John C., the Louisiana heron in Ore-

gon, 124 Scoter, American, 62

White-winged, 70

Scotiaptex nebulosa nebulosa, 244

Seed-eater, Collared, 14

Seiurus aurocapillus, 208

aurocapillus cinereus, 209 noveboracensis, 82

noveboracensis notabilis, 82

Selasphorus platycercus platycercus, 76

rufus, 21, 76, 239

Setophaga picta picta, 23 ruticilla, 22, 83, 129, 242, 298

Shaw, William T., shower-bathing in the rain, 90 Shaw, William T., and Culbertson, A. E., a flock

of cedar waxwings meets tragedy, 205 Shearwater, Manx, 96, 102

Sooty, 93-106

Shoveller, 70, 300 Shrike, California, 81

Great Basin, 81

Loggerhead, 177

Mexican, 13

Northwestern, 81

White-rumped, 81 Sialia currucoides, 81, 241

mexicana bairdi, 80, 89

mexicana occidentalis, 80, 89, 205

Siskin, Northern Pine, 84, 242

Sitta canadensis, 240

canadensis canadensis, 79

carolinensis, 240

carolinensis nelsoni, 79

carolinensis tenuissima, 79

carolinensis uintaensis, 79

pygmaea canescens, 79 pygmaea melanotis, 79

Skutch, Alexander F., life history of the quetzal,

213 Slipp, J. W., additional records of the green heron in the Puget Sound basin, 35

Snipe, Wilson, 74

Solitaire, Jaliscan, 13

Townsend, 81, 241

Sooter, Clarence A., methods of grasping and carrying prey, 88; winter record of mourning dove in south-central Oregon, 246

Squatarola squatarola, 73

Sparrow, Black-chinned, 85

Brewer, 85

Clay-colored, 85 Dakota Song, 86

Desert Black-throated, 85

Eastern Lincoln, 86

English, 56, 57, 83, 88, 242

Ferrari-Perez, 14

Fox, 242

Gambel, 86, 212, 242

Golden-crowned, 86, 242

Guerreran Ground, 14 Guerreran Rusty, 14

Harris, 86

Leconte, 85

Lincoln, 242

Merrill Song, 86, 242

Montane Lincoln, 86

Mountain Song, 86

Nevada Savannah, 85

Northern Sage, 85

Oregon Vesper, 85, 205

Oregon White-crowned, 86, 89

Rufous-crowned, 14

Sharp-tailed, 204

Slate-colored Fox, 86

Song, 62

Swamp, 86, 201, 203

Virgin River Song, 86

Western Chipping, 85, 242

Western Grasshopper, 85, 297

Western Lark, 85

Western Savannah, 85, 242

Western Tree, 85

Western Vesper, 85, 242

White-crowned, 50, 56, 57, 160, 177

Spatula clypeata, 70, 300

· pugaea, 75 Speotyto cunicula

Sphyrapicus thryoigeus nataliae, 77

varius nuchalis, 77, 239

Spinus pinus pinus, 84, 242

psaltria, 299

psaltria hesperophilus, 84

psaltria psaltria, 84

tristis, 242

tristis pallidus, 84

Spizella arborea ochracea, 85 atrogularis evura, 85

breweri breweri, 85 pallida, 85

passerina arizonae, 85, 242

Spoonbill, Roseate, 19, 20, 69

Sporophila torqueola torqueola, 14

Starling, 56, 57, 81, 86 Star-throat, Pine, 11

Steganopus tricolor, 74

Stelgidoptervx ruficollis, 240 ruficollis aphractus, 78

ruficollis serripennis, 78 Stellula calliope, 76, 239

Stercorarius longicaudus, 74

Sterna forsteri, 75 hirundo hirundo, 75

Stewart, Robert E., food habits of blue grouse, 112

Stilt, Black-necked, 21, 74

Storer, Robert W., records of the paraquet auklet and the Pacific fulmar for Marin County, California, 244

Stork, Asphalt, 27

Streptopelia risoria, 243

Strix occidentalis lucida, 75

Sturnella magna alticola, 13

neglecta, 83, 207, 242

Sturnus vulgaris, 56 vulgaris vulgaris, 81

Sumner, Eustace Lowell, biography of, 37

Swallow, Bank, 78

Barn, 78, 240 Black, 239

Cliff, 34, 212, 240

Rough-winged, 78, 240

Tree, 21, 78

Violet-green, 78, 240

Western Cliff, 78

Swan, Mute, 108

Trumpeter, 69

Whistling, 28, 69

Swifts, Vaux, 33, 212, 239 Western White-throated, 76

White-throated, 34, 239

Tachycineta thalassina lepida, 78, 240

Tanager, Western, 83, 212, 242

Tattler, Wandering, 212

Teal, Blue-winged, 70

Cinnamon, 70, 300

European Green-winged, 62

Green-winged, 70, 300

Teratornis, 30

merriami, 294

Telmatodytes palustris, 21

Tern, Black, 74

Caspian, 74

Common, 75

Forster, 75 Thrasher, Bendire, 80

Brown, 80

Crissal, 80

Curve-billed, 21 Leconte, 80

Sage, 80

Thrush, Alaska Hermit, 80, 205

Audubon Hermit, 80

Dwarf Hermit, 80 Monterey Hermit, 241

Mountain Olive-backed, 80

Pacific Varied, 241

West Mexican, 13

Western Olive-backed, 241

Willow, 80, 241

Thryomanes bewickii eremophilus, 79

Titmouse, Gray, 79

Tityra semifasciata, 225

Totanus flavipes, 35

melanoleucus, 300 Toucanet, Blue-throated, 225

Towhee, Abert, 85

Arctic, 85 Brown 22

Green-tailed, 85 Nevada Spotted, 242

Spurred, 85

Toxostoma bendirei, 80

curvirostre, 21

dorsale dorsale, 80

lecontei lecontei, 80

rufum, 80

Tringa flavipes, 73

melanoleuca, 73

solitaria cinnamomea, 73

Troglodytes aëdon, 241 aëdon parkmanii, 79

musculus, 234

Trogon aurantiiventris, 216

bairdii, 220

citreolus, 11

collaris puella, 216

elegans ambiguus, 11

mellanocephalus mellanocephalus, 224

mexicanus, 216

Trogon, Baird, 220, 229, 230, 233, 234, 240

Black-headed, 224, 225, 230, 233

Citreoline, 11

Coppery-tailed, 11

Graceful, 219, 220, 223-226

Jalapa, 209, 216, 220, 223, 224, 226, 232 Mexican, 209, 216, 220, 224-226, 230, 232,

Trogonurus curucui tenellus, 219

Turdus assimilis renominatus, 13

migratorius caurinus, 241

migratorius propinquus, 80, 241

Turkey, Florida, 133

Merriam, 133

Mexican, 133

Rio Grande, 133

Wild, 35, 133-195

Turnstone, Ruddy, 212

Twomey, Arthur C., notes on some birds taken in Utah, 89; a correction of identification of sandpipers, 90

Tympanuchus cupido, 183

Tyrannus melancholicus occidentalis, 12

tyrannus, 77, 240

tyrannus hespericola, \$7

verticalis, 77, 206, 246

vociferans, 77

vociferans xenopterum, 12

Tyto alba pratincola, 36, 75

Valentine, K. A., the gray ovenbird in New Mexico, 208

van Rossem, A. J., the Santa Cruz Island flicker,

245; portrait of, 301

Veniliornis oleaginus, 221

Verdin, Arizona, 79

Vermivora celata, 241

celata celata, 82, 89

celata lutescens, 89

celata orestera, 82, 89

luciae, 82, 205 ruficapilla ridgwayi, 82, 241

virginiae, 82 Vireo bellii arizonae, 81

gilvus, 241 gilvus leucopolius, 82

gilvus swainsoni, 82

olivaceus, 82, 241

solitarius cassinii, 81,/241

solitarius plumbeus, 81

vicinior, 81, 244

Vireo, Arizona, 81

Cassin, 81, 241 Gray, 81, 244

Oregon Warbling, 82

Plumbeus, 81

Red-eyed, 82, 241

Warbling, 241

Vultur fossilis, 294, 295 gryphus, 272-295

patruus, 294, 295

Vulture, Black, 272-295

King, 272-295

Turkey, 272-295

Western Turkey, 79

Warbler, Audubon, 241, 248

Black and White, 158, 243

Blackburnian, 82

Black-throated Gray, 82

Calaveras, 82, 241

Chestnut-crowned, 13 Eastern Yellow, 82

Grace, 82

Hermit, 23, 24

Lucy, 82, 205

Lutescent Orange-crowned, 89

Macgillivray, 82, 241 Myrtle, 82, 159

Northern Audubon, 82

Northern Orange-crowned, 82

Northern Pileolated, 83

Orange-crowned, 241

Palm, 22

Pileolated, 241, 298

Rocky Mountain Audubon, 82

Rocky Mountain Orange-crowned, 82

Rocky Mountain Yellow, 82, 241

Townsend, 23, 24, 82, 241

Virginia, 82

Yellow, 245

Water-thrush, 82

Louisiana, 158

Waxwing, Bohemian, 81

Cedar, 81, 205, 206, 241

Wekas, 93, 98

Widgeon, European, 131

Willet, Western, 23, 127

Willett, G., review of Brandt's "Alaska Bird

Trails," 247

Wilsonia pusilla, 241, 298

pusilla pileolata, 83

Woodhewer, Grayson, 12 Woodpecker, Acapulco, 11

Acorn, 221

Alaska Three-toed, 239

Alpine Three-toed, 77

Ant-eating, 12

Downy, 239

Green, 221

Guatemalan Ivory-bill, 220

Hairy, 221

Ivory-billed, 222

Lewis, 76, 239

Modoc Hairy, 239

Nelson Ivory-billed, 12 Oleaginous, 221

Pileated, 124, 220, 222, 239 Rocky Mountain Downy, 77

Rocky Mountain Hairy, 77

Vigors Pileated, 12

Western Red-headed, 76

White-breated Hairy, 77

Yuma Ladder-backed, 77

Wren, Bewick, 299

Boucard Cactus, 13 Cactus, 298

Cañon, 80

Desert Bewick, 79

House, 234, 241

Marsh, 21

Northern Cactus, 79

Rock, 21, 80 Western House, 79

Western Marsh, 79

Western Winter, 79, 241 Winter, 4

Wren-tit, 299

Wright, Philip L., American golden-eyes feeding on salmon eggs, 126

Wright, Philip L., and Wright, Margaret H., the reproductive cycle of the male red-winged blackbird, 46

### X

Xanthocephalus xanthocephalus, 22, 23, 57 Xema sabini, 34, 74 Xiphorhynchus flavigaster mentalis, 12

## Y

Yellow-legs, Lesser, 35, 73 Greater, 73, 300 Yellow-throat, 298 Baird, 219 Tule, 83 Western, 83

### 2

Zenaidura macroura, 239, 243, 246 macroura marginella, 75

Zonotrichia coronata, 86, 242 leucophrys, 56, 160 leucophrys gambelii, 86, 242 leucophrys leucophrys, 89 leucophrys oriantha, 79, 86 querula, 86

